Sacramento • San Francisco • Southern California • Las Vegas • Harrisburg

LaCroix Davis LLC

November 1, 2012

Mr. Mike Moore
California Department of General Services
Professional Services Branch
707 Third St., 3rd Floor
W. Sacramento, CA 95605

RE: California State Board of Equalization
Closure Report Addenda

In February 2012, LaCroix Davis LLC (LCD) and the Department of General Services Mold Remediation Project Team completed the mold remediation activities initially scheduled for the State Board of Equalization (BOE) building located at 450 N Street, Sacramento, California. At the completion of mold activities on each floor (except Floors 22 through 24), a closure report for the completed floor was issued by LCD to summarize key events of the project. Subsequent to the completion and release of these closure reports, information not previously available and information documenting additional mold-related activities was compiled by LCD. A Closure Report Addendum of this information has been prepared for each floor and is submitted to you by means of this submittal.

This submittal package includes the following:

- Four (4) hardcopy sets of individual Closure Report Addenda for Floors 1 through 21.
- Each hardcopy set includes a DVD with electronic files of the complete contents presented in the Closure Report Addenda.
- Four (4) binders containing Additional Information for activities in which LCD was involved on Floors 22 through 24; LCD was not involved in the initial remediation of mold on these three floors and the original Closure Reports for these floors were issued by BioMax.

Each recipient of a hardcopy set and binder will be instructed to insert each Closure Report Addendum into the rear of its respective Closure Report. LCD has included a "tab" so that this section of the report can be easily accessed in the future. It is intended that as new information is generated for a specific floor, the new information will be added to this section of the Closure Report.

Very truly yours,
LaCroix Davis LLC

Chris Corpuz, MS, CIH, CAC
Senior Manager

Building Forensics
Environmental Forensics
Environment Health Safety
3685 Mt. Diablo Blvd., Suite 210 • Lafayette, CA 94549 • p (925) 299-1140 • f (925) 299-1185 • www.lacroixdavis.com

San Francisco • Sacramento • Las Vegas • Harrisburg

LaCroix Davis LLC

California State Board of Equalization
450 N Street, Sacramento, California

Mold Remediation – Second Floor Closure Report Addendum

Project No. 2372.02-572

Prepared for:
California Department of General Services
707 Third Street, 3-305
Sacramento, California 95605

Prepared by:
Chris Corpuz, MS, CIH, CAC
Senior Associate
LaCroix Davis LLC

Closure Report Date: November 30, 2010

Addendum Date: October 31, 2012

Please insert this Closure Report Addendum into the rear of the Floor 2 Closure Report

Building Environmental EHS Consulting
3685 Mt. Diablo Blvd., Ste. 210 • Lafayette, CA 94549 • p 925.299.1140 f 925.299.1185 • www.lacroixdavis.com

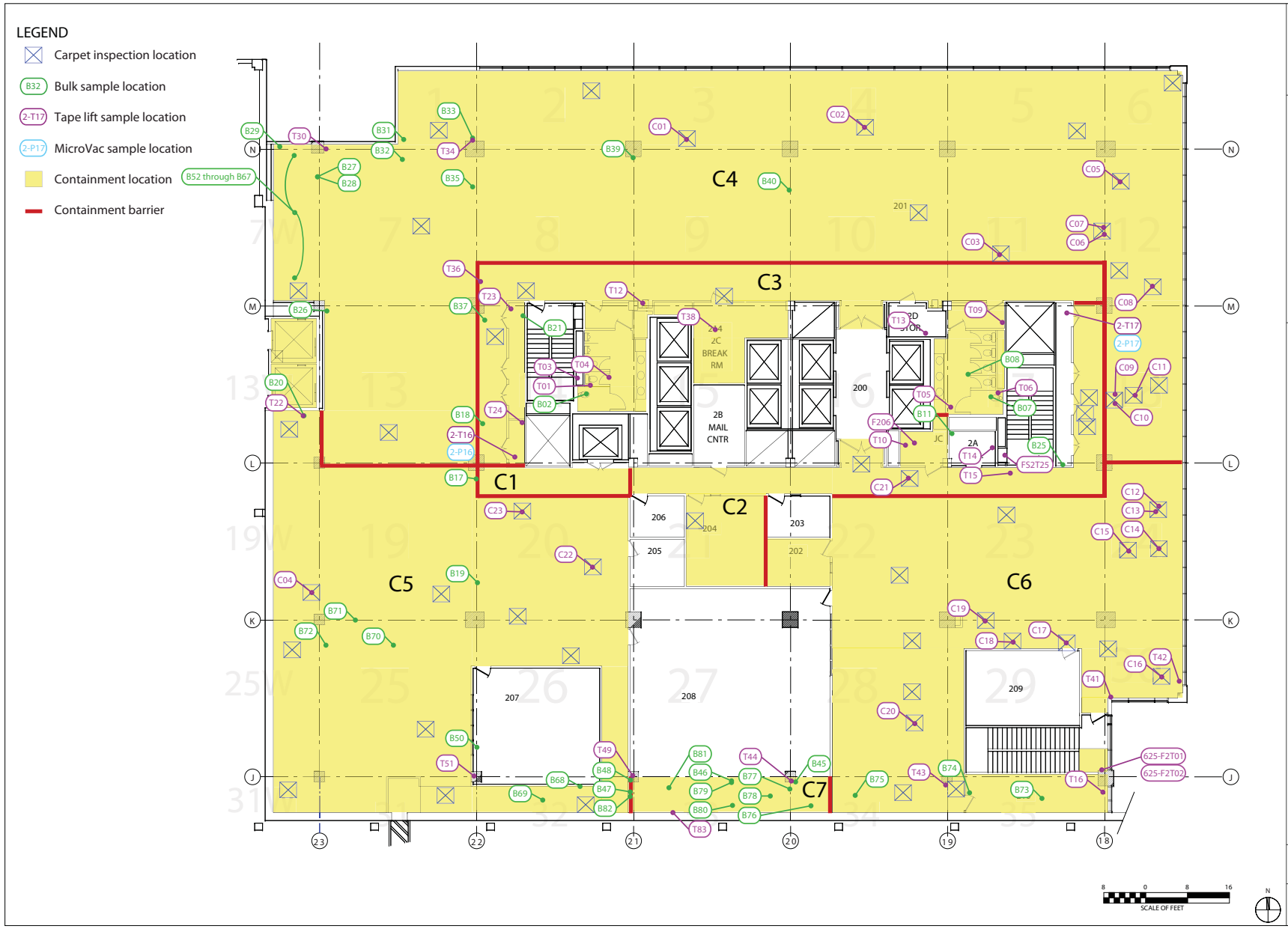
1.0 Introduction

On October 26, 2010, LaCroix Davis LLC (LCD) and the Department of General Services Mold Remediation Project Team completed the mold remediation activities initially scheduled for Floor 2 of the Board of Equalization (BOE) building located at 450 N Street, Sacramento, California. At the completion of these activities, a closure report for this floor was compiled by LCD to summarize key events of the project. Subsequent to the completion and release of the closure report, any information not previously available and information documenting additional mold-related activities was compiled by LCD.

2.0 Additional Information

This addendum provides the following information not previously reported:

June – July 2011 Stairs 3, SE Corner	The exterior concrete panels leaked and caused staining of ceiling tiles and visible mold growth. The damage was investigated and remediated.
November 2011 Core Hallways	Field logs for the indoor air quality investigation (IAQ) are attached to this addendum as they were not included in the original IAQ report dated June 18, 2012.



LaCroix Davis LLC

State of California
Department of General Services
(DGS No. 125828)
(AGMT. No. 3126150)
(LCD No. 2372.02-572)

Containment and Sample Locations (Oct 2012)

Board of Equalization Building, Mold Remediation
450 N Street, Sacramento, California

2nd Floor

Figure 2

Daily Logs

LaCroix Davis LLC Building & Environmental Forensics	**PROJECT LOG** **DATE:** 6/24/11 / 6/25/11 LACROIX DAVIS LLC 3685 MT. DIABLO BLVD. SUITE 210 LAFAYETTE, CA 94549 TEL 925-299-1140 FAX 925-299-1185 **LCD REPS:** TM1 ; ; **PAGE** 1 **OF** 2

Client	**Department of General Services (DGS)**	Contractor: **JLS Environmental**	Day ✓ Swing ✓ Weekend/Holiday ✓
Project	**Board of Equalization (BOE)**	Location(s):	Floor M Floor ✓ Floor 1 Floor
Building	**450 N Street, Sacramento CA**	Compound(s) of Concern	Mold ACM LBP Other
LCD Project #	**2372.0** 2 **-572; SOW** 4.0 survey	**Description:** M chiller piping	
LCD Project #	**2372.0** 2 **-572; SOW** 5.0	**Description:** Floor 1 Kitchen Hall	
LCD Project #	**2372.0** ____ **-572; SOW** ____	**Description:**	

CONTAINMENT INFORMATION

1. Floor Occupied ✓ Floor Vacant ____
2. Containments: a) Kitchen Hall S b) ____ c) ____ d) ____ e) ____ f) ____
3. Type of Containment: NPE ✓ Mini ____ Barrier Tape ____ Minor Procedures ____ N/A ____
4. Type of Decon: Shower ____ 2-Stage ____ 1Stage ____ Drop Sheet W/Vacuum ____ None ____
5. Manometer: Yes ____ No ____ Strip Chart Record: Yes ____ No ____ Adequate Pressure: Yes ____ No ____
6. Containment Entry Log: Yes ____ No ____
7. Containment and Decon maintained in accordance with accepted practices and procedures: Yes ____ No ____
8. HEPA Fans and Vacuums have current aerosol challenge test sticker: Yes ____ No ____
9. Negative Air Exhaust Location: Exterior ____ Window ____ Shaft ____ Exhaust Duct ____ Interior ____
10. Security: Owner ____ Contractor ____ Private ____ 24 hour ____ Secure Building ____

SUMMARY OF ACTIVITIES Floor 1 Kitchen South Hall

Mob X Prep X Removal/Load Out X Detail Clean ____ Encapsulation ____ Clearance Testing ____ Tear Down ____ DeMob ____

Phase Completion Visual Inspection: Prep ✓ Removal ✓ Encapsulation ____ Clearance ____ Tear Down ____

Summary: Develop remediation plan M Chiller Room - Chiller 3 piping

PM - monitor remediation Kitchen Hall (South)

Waste: Non-Hazardous Construction Debris ____ Hazardous Waste ____ Hazardous Waste Manifest ____

Container: 6 Mil ____ Double 6 Mil ____ Barrel ____ Drum ____ Box ____ Burrito Wrap ____ Labels ____ Other ____

Location of Dumpster: ____

Additional Worker PPE: Disposable Suit ____ Gloves ____ Eye Protection ____ Steel Toe ____ Hard Hat ____ Chem Apron ____

Respirator: Half Face ____ Full Face ____ PAPR ____ Supplied Air ____

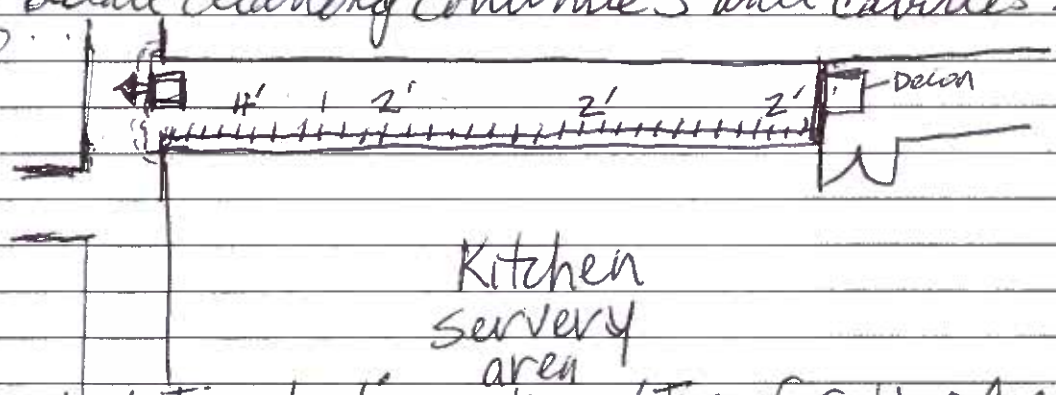
Contractor Worker Exposure Monitoring Yes ____ No ____ # Workers Sampled ____

On-Site Visitors: 1. ____ 2. ____ 3. ____ 4. ____

LaCroix Davis Project LOG
Date: 6/24/11 & 6/25/11

Notes Continued

7 prep for additional M floor chiller piping survey - JLS plans to complete Floor 21 build back and shift from 21 to M when 21 is completed. JLS will assist removing plastic jacket for inspection purposes
10: locate M floor mechanical plan and submit for reproduction
13 inspect chiller 3 piping runs (non plastic jacket areas) and draft chiller 3 and piping onto M Floor Mechanical plan (CH 3 was Tenant Improve)
15 MM onsite M floor to observe efforts
Continue CH3 piping survey w/ HTI
1600 Break
1800 JLS mobs to Cafeteria South Hall for remediation and begins prep to 20:30 suit for removal
20:30 observe and photo doc Floor 2 Stairs 3 stained ceiling tile w/ UMG observe wall damage and delam cove base - arrange for JLS to change out the ceiling tile and tape cove base
20:50 observe Floor 1 Kitchen South Hall containment wall demo and photo doc conditions (remove 2' corner to doors)
21:15 JLS begins load out and cleaning
22:00 JLS will start detail cleaning after lunch break
2215 detail cleaning and removal continues
2300 removal at East edge of containment performed
2330 detail cleaning continues wall cavities.
00:00



6/25/11
00:30 tentative testing setup w/ JLS for 11:00 AM. detail cleaning continues
01:10 Final visual detail cleaning - OK testing
10:00 AM clearance testing procedures w/ HTI

Signature [signature] Date 6/25/11

LaCroix Davis LLC
Building & Environmental Forensics

PROJECT LOG DATE: 7/8/11/7/9/11

LACROIX DAVIS LLC
3685 MT. DIABLO BLVD. SUITE 210
LAFAYETTE, CA 94549
TEL 925-299-1140 FAX 925-299-1185

LCD REPS: TMI ; _____ ; _____ **PAGE** 1 **OF** 2

Client	**Department of General Services (DGS)**	Contractor: **JLS Environmental**	Day ✓ Swing ____ Weekend/Holiday ____
Project	**Board of Equalization (BOE)**	Location(s): PM	Floor M Floor 1 Floor 11 Floor 2
Building	**450 N Street, Sacramento CA**	Compound(s) of Concern	Mold ✓ ACM LBP Other
LCD Project #	**2372.0____-572; SOW _____**	**Description:**	
LCD Project #	**2372.0____-572; SOW _____**	**Description:**	
LCD Project #	**2372.0____-572; SOW _____**	**Description:**	

CONTAINMENT INFORMATION

1. Floor Occupied ✓ Floor Vacant _____
2. Containments: a) MCh / Pump / b) Kitch Hall c) F2 Stair 3 d) _____ e) _____ f) _____
3. Type of Containment: NPE a, b, c Mini _____ Barrier Tape _____ Minor Procedures _____ N/A _____
4. Type of Decon: Shower _____ 2-Stage _____ 1Stage a, b, c Drop Sheet W/Vacuum _____ None _____
5. Manometer: Yes a ___ No ____ Strip Chart Record: Yes a ___ No ____ Adequate Pressure: Yes a ___ No ____
6. Containment Entry Log: Yes a ___ No ____
7. Containment and Decon maintained in accordance with accepted practices and procedures: Yes a ___ No ___
8. HEPA Fans and Vacuums have current aerosol challenge test sticker: Yes a ___ No ___
9. Negative Air Exhaust Location: Exterior ____ Window ____ Shaft ____ Exhaust Duct ____ Interior a, ___
10. Security: Owner ✓ Contractor ____ Private ____ 24 hour ✓ Secure Building ✓

SUMMARY OF ACTIVITIES

Mob ____ Prep ____ Removal/Load Out ___ Detail Clean a ___ Encapsulation ___ Clearance Testing ___ Tear Down ___ DeMob ____

Phase Completion Visual Inspection: Prep _____ Removal _____ Encapsulation _____ Clearance _____ Tear Down _____

Summary/Other Activities: a: detail cleaning containment, pipes
continue Chiller pipe survey w/ HTI

Waste: Non-Hazardous Construction Debris ✓ Hazardous Waste ____ Hazardous Waste Manifest ____

Container: 6 Mil ____ Double 6 Mil ✓ Barrel ____ Drum ____ Box ____ Burrito Wrap ____ Labels ____ Other ____

Location of Dumpster: Floor 1 SW Garage

Additional Worker PPE: Disposable Suit ✓ Gloves ✓ Eye Protection ____ Steel Toe ____ Hard Hat ____ Chem Apron ____

Respirator: Half Face ✓ Full Face ____ PAPR ____ Supplied Air ____

Contractor Worker Exposure Monitoring Yes ____ No ✓ # Workers Sampled ____

On-Site Visitors: 1. _____ 2. _____ 3. _____ 4. _____

LaCroix Davis Project LOG
Date: 7/8/11 & 7/9/11

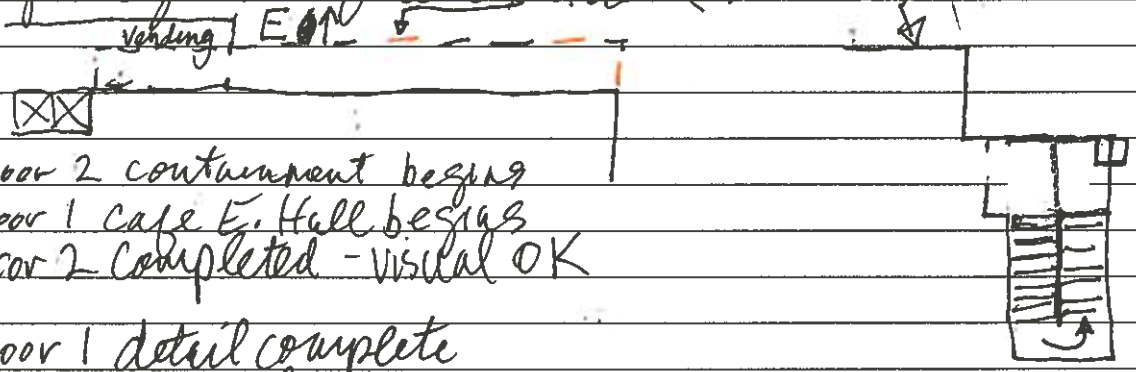
PROJECT EXPENSES: Hotel: ✓ Per Diem: ✓ Travel: ✓ Destination: site

FIELD SUPPLIES: PPE: Suits _____ Gloves (pairs) _____ Respirator filters: _____ Misc: _____

LAB: Type/No. Samples collected: Tape _____ Bulk _____ Air _____
Laboratory Name/Location: _____

Notes

7 JLS shift 1530 & 1800 to
day - M Floor Chiller Room CH1/Pmp1 containment cleaning pipes and insulation continues
13:00 perform final clearance visual inspection conditions acceptable - SCHEDULE testing 7AM Monday w/ HTI
13:15 JLS Break followed by continue Chiller pipe inspection w/ HTI under plastic jacket CH/R storage tan. large dia (intake side and outflow lines)
CWS at North wall, CH3S at thermostat
16:00 Sample COC and deliver to lab
18 prep begins cafeteria and (Floor 2) SE Stairs 3



20:45 Floor 2 containment begins
21:00 Floor 1 Cafe E. Hall begins
21:45 Floor 2 Completed - visual OK

00:45 Floor 1 detail complete
apply foam sealant.
01:00 work completed

08:00 observe Chill. H_2O testing to 09:45 prep for clearance tests
10:00 perform clearance testing Floor 1 and 2 containments with COC and deliver to lab

Signature _____ Date _____

LaCroix Davis
Building & Environmental Forensics

PROJECT LOG **DATE:** 11/2/11

LACROIX DAVIS LLC
3685 MT. DIABLO BLVD. SUITE 210
LAFAYETTE, CA 94549
TEL 925-299-1140 FAX 925-299-1185

LCD REPS: TMI ; LEC ; _____ **PAGE** 1 **OF** 2

Client	**Department of General Services (DGS)**	Contractor: **JLS Environmental**	Day____ Swing ✓ Weekend/Holiday ✓
Project	**Board of Equalization (BOE)**	Location(s):	Floor 2 Floor 21 Floor____ Floor____
Building	**450 N Street, Sacramento CA**	Compound(s) of Concern	Mold ACM LBP Other
LCD Project #	**2372.0** 2 **-572; SOW** 4.0	**Description:** Floor 2 ports	
LCD Project #	**2372.0** 2 **-572; SOW** 4.0	**Description:** Floor 21 - data loggers	
LCD Project #	**2372.0**____ **-572; SOW** _____	**Description:**	

CONTAINMENT INFORMATION

1. Floor Occupied ✓ Floor Vacant _____
2. Containments: a) Mea. b) Women c) _____ d) _____ e) _____ f) _____
3. Type of Containment: NPE ✓ Mini_____ Barrier Tape_____ Minor Procedures _____ N/A _____
4. Type of Decon: Shower_____ 2-Stage_____ 1Stage ✓ Drop Sheet W/Vacuum_____ None_____
5. Manometer: Yes____ No____ Strip Chart Record: Yes ___ No ____ Adequate Pressure: Yes ✓ No ____
6. Containment Entry Log: Yes ✓ No_____
7. Containment and Decon maintained in accordance with accepted practices and procedures: Yes ✓ No ___
8. HEPA Fans and Vacuums have current aerosol challenge test sticker: Yes ✓ No ___
9. Negative Air Exhaust Location: Exterior___ Window____ Shaft____ Exhaust Duct____ Interior ✓
10. Security: Owner ✓ Contractor ____ Private____ 24 hour ✓ Secure Building ✓

SUMMARY OF ACTIVITIES

Mob ✓ Prep ✓ Removal/Load Out___ Detail Clean____ Encapsulation___ Clearance Testing___ Tear Down___ DeMob____

Phase Completion Visual Inspection: Prep_____ Removal_____ Encapsulation_____ Clearance_____ Tear Down_____

Summary: O&M - major wall penetration - (install 2"Ø ports

Waste: Non-Hazardous Construction Debris ✓ Hazardous Waste ____ Hazardous Waste Manifest ____

Container: 6 Mil_____ Double 6 Mil ✓ Barrel_____ Drum_____ Box_____ Burrito Wrap_____ Labels _____ Other_____

Location of Dumpster: Floor 1 SW

Additional Worker PPE: Disposable Suit ✓ Gloves ✓ Eye Protection____ Steel Toe____ Hard Hat____ Chem Apron____

Respirator: Half Face ✓ Full Face ____ PAPR _____ Supplied Air_____

Contractor Worker Exposure Monitoring Yes____ No ✓ # Workers Sampled _____

On-Site Visitors: 1. M. Hoy 2._____ 3._____ 4._____

Weds

LaCroix Davis Project LOG
Date: 11/2/11 → 11/3/11

PROJECT EXPENSES: Hotel: ✓ Per Diem: ✓ Travel: ✓ Destination: site, Hilti

FIELD SUPPLIES: PPE: Suits ✓ Gloves (pairs) ✓ Respirator filters: _____ Misc: _____

LAB: Type/No. Samples collected: Tape _____ Bulk _____ Air _____
Laboratory Name/Location: _____

Notes

1800 - mob
1900 - security access to Floor 2
begin prep
containment prep completed 19:30
- layout parts Men's & women's
20:00 Begin installation Mens & women's 8 & 9
21:00 Completed 2 locations women's restroom (8,9)
move to 10 and 12 - (post clean areas 8 & 9)
21:30 Break - 10 & 12 ca
22:15 continue installations - 1 location @ site
23:00 begin detail cleaning both areas

Signature Thomas Lu

Date 11/3/11

LaCroix Davis Building & Environmental Forensics	**PROJECT LOG** DATE: 11/3/11 – 11/4/11
	LACROIX DAVIS LLC 3685 MT. DIABLO BLVD. SUITE 210 LAFAYETTE, CA 94549 TEL 925-299-1140 FAX 925-299-1185
	LCD REPS: TM; CC ; _____ **PAGE** ___ **OF** ___

Client	**Department of General Services (DGS)**	Contractor: **JLS Environmental**	Day ___ Swing ✓ Weekend/Holiday ___
Project	**Board of Equalization (BOE)**	Location(s):	Floor 2 Floor ___ Floor 21 Floor ___
Building	**450 N Street, Sacramento CA**	Compound(s) of Concern	Mold ACM LBP Other
LCD Project #	**2372.0** 2 **-572; SOW** 4.0	**Description:** install sampling ports floor 2	
LCD Project #	**2372.0** 2 **-572; SOW** 4.0	**Description:** air monitoring at Floor 2 and 21	
LCD Project #	**2372.0** ___ **-572; SOW** ___	**Description:**	

CONTAINMENT INFORMATION

1. Floor Occupied ✓ Floor Vacant ___
2. Containments: a) 214 b) Janitor c) 2B d) SW e) ___ f) ___
3. Type of Containment: NPE ✓ Mini ___ Barrier Tape ___ Minor Procedures ___ N/A ___
4. Type of Decon: Shower ___ 2-Stage ___ 1Stage ✓ Drop Sheet W/Vacuum ✓ None ___
5. Manometer: Yes ✓ No ___ Strip Chart Record: Yes ✓ No ___ Adequate Pressure: Yes ✓ No ___
6. Containment Entry Log: Yes ✓ No ___
7. Containment and Decon maintained in accordance with accepted practices and procedures: Yes ✓ No ___
8. HEPA Fans and Vacuums have current aerosol challenge test sticker: Yes ✓ No ___
9. Negative Air Exhaust Location: Exterior ___ Window ___ Shaft ___ Exhaust Duct ___ Interior ✓
10. Security: Owner ✓ Contractor ___ Private ___ 24 hour ✓ Secure Building ✓

SUMMARY OF ACTIVITIES

Mob ✓ Prep ✓ Removal/Load Out ___ Detail Clean ✓ Encapsulation ___ Clearance Testing ✓ Tear Down ✓ DeMob ✓

Phase Completion Visual Inspection: Prep ✓ Removal ___ Encapsulation ___ Clearance ✓ Tear Down ✓

Summary: install sampling ports 2-15, 2-14, 2-13
perform clearance testing 3 containments Floor 2
install summa canisters Floors 2 and 21
at sampling ports (to 5:30 AM)

Waste: Non-Hazardous Construction Debris ___ Hazardous Waste ___ Hazardous Waste Manifest ___

Container: 6 Mil ___ Double 6 Mil ___ Barrel ___ Drum ___ Box ___ Burrito Wrap ___ Labels ___ Other ___

Location of Dumpster: ___

Additional Worker PPE: Disposable Suit ___ Gloves ___ Eye Protection ___ Steel Toe ___ Hard Hat ___ Chem Apron ___

Respirator: Half Face ___ Full Face ___ PAPR ___ Supplied Air ___

Contractor Worker Exposure Monitoring Yes ___ No ___ # Workers Sampled ___

On-Site Visitors: 1. ___ 2. ___ 3. ___ 4. ___

Thurs to Friday

LaCroix Davis Project LOG
Date: 11/3/11 → 11/4/11

PROJECT EXPENSES: Hotel: ✓ Per Diem: ✓ Travel: ✓ Destination: site & lab

FIELD SUPPLIES: PPE: Suits ✓ Gloves (pairs) ✓ Respirator filters: ✓ Misc: _____

LAB: Type/No. Samples collected: Tape _____ Bulk _____ Air _____
Laboratory Name/Location: _____

Notes

install sampling ports Thurs PM to Fri AM (3:30)
perform clearance testing -
install summa cannisters Floors 2 and 21
begin sampling Floors 2 & 21 to 5:30 AM

Signature [signature] Date 11/4/11

LaCroix Davis Building & Environmental Forensics	**PROJECT LOG** DATE: 11/04/11 – 11/5
	LACROIX DAVIS LLC 3685 MT. DIABLO BLVD. SUITE 210 LAFAYETTE, CA 94549 TEL 925-299-1140 FAX 925-299-1185
	LCD REPS: TM / ; ; **PAGE** 1 **OF** 2

Client	**Department of General Services (DGS)**	Contractor: **JLS Environmental**	Day ___ Swing ✓ Weekend/Holiday ✓
Project	**Board of Equalization (BOE)**	Location(s):	Floor 1 Floor 2 Floor 19 Floor 21
Building	**450 N Street, Sacramento CA**	Compound(s) of Concern	Mold ✓ ACM LBP Other VOC's
LCD Project #	**2372.0** 2 **-572; SOW** 5.0	**Description:** Floor 1 FRP containment #12	
LCD Project #	**2372.0** 2 **-572; SOW** 5.0	**Description:** Floor 19 VCT	
LCD Project #	**2372.0** 2 **-572; SOW** 4.0	**Description:** Floors 2 & 21	

CONTAINMENT INFORMATION

1. Floor Occupied ✓ Floor Vacant ___
2. Containments: a) F1 · FRP 12 b) F19-19A c) F19-19B d) F19-19D e) F19-19C f) ___
3. Type of Containment: NPE a,b,c,d,e Mini ___ Barrier Tape ___ Minor Procedures ___ N/A ___
4. Type of Decon: Shower ___ 2-Stage ___ 1Stage a Drop Sheet W/Vacuum b,c,d,e None ___
5. Manometer: Yes ✓ No ___ Strip Chart Record: Yes ✓ No ___ Adequate Pressure: Yes ✓ No ___
6. Containment Entry Log: Yes ✓ No ___
7. Containment and Decon maintained in accordance with accepted practices and procedures: Yes ✓ No ___
8. HEPA Fans and Vacuums have current aerosol challenge test sticker: Yes ✓ No ___
9. Negative Air Exhaust Location: Exterior ___ Window ___ Shaft ___ Exhaust Duct b,c,d,e Interior a
10. Security: Owner ✓ Contractor ___ Private ___ 24 hour ✓ Secure Building ___

SUMMARY OF ACTIVITIES

Mob ✓ Prep ✓ Removal/Load Out ✓ Detail Clean ✓ Encapsulation ✓ Clearance Testing ___ Tear Down ___ DeMob ___

Phase Completion Visual Inspection: Prep ✓ Removal ✓ Encapsulation ___ Clearance ___ Tear Down ___

Summary: FRP - Floor 1 Containment 12 E-W Hall South of 128, 129 at East End
VCT - Containments 19A, 19B, 19C, 19D
Floor 2 - AM set summa cans Floors 2 & 21 to 5:30 AM
PM collect summa cans Floors 2 & 21 18:00 – 22:00
PM collect spore traps 20:00 to 23:30 Floor 2.

Waste: Non-Hazardous Construction Debris ✓ Hazardous Waste ___ Hazardous Waste Manifest ___

Container: 6 Mil ___ Double 6 Mil ✓ Barrel ___ Drum ___ Box ___ Burrito Wrap ___ Labels ___ Other ___

Location of Dumpster: Floor 1 SW Garage

Additional Worker PPE: Disposable Suit ✓ Gloves ✓ Eye Protection ✓ Steel Toe ___ Hard Hat ___ Chem Apron ___

Respirator: Half Face ✓ Full Face ✓ PAPR ___ Supplied Air ___

Contractor Worker Exposure Monitoring Yes ___ No ✓ # Workers Sampled ___

On-Site Visitors: 1. M. Hoy 2. ___ 3. ___ 4. ___

LaCroix Davis Project LOG
Date: 11/4/11 → 11/5/11

PROJECT EXPENSES: Hotel: ✓ Per Diem: ✓ Travel: ✓ Destination: site & lab x 2

FIELD SUPPLIES: PPE: Suits 1 Gloves (pairs) 1 Respirator filters: 1 Misc: _____

LAB: Type/No. Samples collected: Tape _____ Bulk 1 (FP) Air 4
Laboratory Name/Location: EML P&K W Sacto

Notes

JLS continues adhesive removal Floor 19
perform clearance testing Floor 1 FRP containment 12
Joe Martinez elects to grind Floor 19 Rooms 19A, 19B, 1911
only 19C was completed entirely by hand scraping
JM discusses safety issues with crew – re: respirator (charcoal filters, safety goggles, hearing (loud noise/machinery) if needed
Coordinate tested Floor 1 FRP w/ KTSE and deliver to lab
call M. Hoy as requested to provide weekend update re:
Floors 1, 2, 19, 21
schedule Sunday AM testing Floor 19 containments
w/ HTI and EML P&K.
(Friday) M. Hoy recommends using 2 SKC Quick Take 30 pumps
to collect air samples in above ceiling spaces.
Crew sets up grinder at 15:25 - begins grind Room 15A at 15:2
complete grinding - Power issues 15:37 Bleeper 15:45 complete at 15:4
9163761665 - 21' weds PM data loggers F21 ✓ call Mike Moore w/ status
12 minutes to complete Room 19A - all adhesive gone - OK
Begin Room 19B 15:54 (19A would take several hours to scrape by hand
16:01 pause 19B - resume 16:02 complete 16:37
relocate to 1911 to complete work this shift. (15 minutes)

Signature [signature] Date 11/5/11

Laboratory Reports

When quality and accuracy are critical.

9/26/2012

LaCroix Davis, LLC
3685 Mt. Diablo Blvd. Suite 210
Lafayette, CA 94549

To Whom It May Concern:

The following data qualifier is reported for all samples in which prior to the release, the replicate quality control sample was not completed:

"Analysis of replicate sample is delayed."

In all instances where this data qualifier was reported for LaCroix Davis, LLC projects "DGS-BOE", all replicate samples have since been analyzed and quality control reviews have been completed. All reported data should therefore be considered accurate and final.

Please feel free to contact me if you have any further questions in this regard.

Sincerely,

Dr. Kamashwaran Ramanathan
Laboratory Director

EMLab P&K

Report for:

Mr. Chris Corpuz, Mr. Ted Ice, Mr. Ashley McKinley, Ms. Andrea Steinbach
LaCroix Davis, LLC
3685 Mt. Diablo Blvd.
Suite 210
Lafayette, CA 94549

Regarding: Project: DGS-BOE; Floor 2 Stairs 3
EML ID: 798872

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:
Direct microscopic exam (Qualitative): 06-27-2011

Service SOPs: Direct microscopic exam (Qualitative) (I100005)

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank correction of results is not applied. The results relate only to the items tested.

EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

EMLab P&K
880 Riverside Parkway, West Sacramento, CA 95605
(866) 888-6653 Fax (650) 829-5852 www.emlab.com

Client: LaCroix Davis, LLC
C/O: Mr. Chris Corpuz, Mr. Ted Ice, Mr. Ashley McKinley, Ms. Andrea Steinbach
Re: DGS-BOE; Floor 2 Stairs 3

Date of Sampling: 06-25-2011
Date of Receipt: 06-25-2011
Date of Report: 06-27-2011

DIRECT MICROSCOPIC EXAMINATION REPORT
(Wet Mount)

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 3539123-1: Tape sample 2372-625-F2T01: South Wall at Cove				
Very Heavy	Few	None	None	Normal trapping
Lab ID-Version: 3539124-1: Tape sample 2372-625-F2T02: GB AC SE at Column				
Heavy	Very few	3+ *Cladosporium* species (spores, hyphae) 2+ *Ulocladium* species (spores, hyphae)	None	Mold growth

* Indicative of normal conditions, i.e. seen on surfaces everywhere. Includes basidiospores (mushroom spores), myxomycetes, plant pathogens such as ascospores, rusts and smuts, and a mix of saprophytic genera with no particular spore type predominating. Distribution of spore types seen mirrors that usually seen outdoors.

† Quantities of molds seen growing are listed in the MOLD GROWTH column and are graded 1+ to 4+, with 4+ denoting the highest numbers.

†† Some comments may refer to the following: Most surfaces collect a mix of spores which are normally present in the outdoor environment. At times it is possible to note a skewing of the distribution of spore types, and also to note "marker" genera which may indicate indoor mold growth. Marker genera are those spore types which are present normally in very small numbers, but which multiply indoors when conditions are favorable for growth.

‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

CHAIN OF CUSTOD

EMLab P&K

www.EMLabPK.com

Cherry Hill, NJ: 1936 Olney Avenue, Cherry Hill, NJ 08003 * **(866) 871-1984**
Phoenix, AZ: 1501 West Knudsen Drive, Phoenix, AZ 85027 * **(800) 651-4802**
San Bruno, CA: 1150 Bayhill Drive, #100, San Bruno, CA 94066 * **(866) 888-6653**

WEATHER	Rg	Rin	Snw	Wd	Ovr
None					
Light					
Moderate					
Heavy					

FUNGAL ANA

REQUESTED SERVICES

000798872

CONTACT INFORMATION

Company: **LaCroix Davis, LLC**

Address: **3685 Mt. Diablo Blvd. Lafayette CA94549**

Contact: **Chris Corpuz; Ted Ice; Andrea Steinbeck; Ashley McKinley**

Special Instructions: **Please Email All Contacts**

Phone: **925-299-1140**

PROJECT INFORMATION

Project ID: R&S-BOE

Project Desc: Floor 2 Stairs 3

Project Zip Code:

Sampling Date & Time: 6/25/11

PO Number: 2372.02-572

TURN AROUND TIME CODES - (TAT)

STD - Standard (DEFAULT)

ND - Next Business Day

SD - Same Business Day Rush

WH - Weekend/Holiday

Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.

SAMPLE ID	DESCRIPTION	Sample Type (Below)	TAT (Above)	Total Volume/Area (as applicable)	NOTES (Time of day, Temp, RH, etc.)	Spore Trap Analysis	Spore Trap Analysis - Other particles	Direct Microscopic Exam (Qualitative)	Quantitative Spore Count Direct Exam	Dust Characterization	Air Fungi (Genus ID + Asp. speciation)	Air Fungi - Full speciation Pen. & Clad. genus only	Air Fungi - Full speciation	1-Media Surface Fungi (Genus ID + Asp. speciation)	1-Media Surface Fungi - Full speciation Pen. & Clad. genus on	1-Media Surface Fungi - Full speciation	2-Media Surface Fungi (Genus ID + Asp. speciation)	2-Media Surface Fungi - Full speciation Pen. & Clad. genus on	2-Media Surface Fungi - Full speciation	3-Media Surface Fungi (Genus ID + Asp. speciation)	3-Media Surface Fungi - Full speciation Pen. & Clad. genus on	3-Media Surface Fungi - Full speciation	Oth
2372.625-F2T01	South Wall at Cove	T	STD	—				X															
2372.625-F2T02	6Qac SE at column	T	STD	—				X															

Spore Trap: Tape Swab Bulk

BioCassette™: Andersen, SAS, SWBD, Water, Bulk, Dust, Soil, Contact Plate

SAMPLE TYPE CODES

BC - BioCassette™	**CP** - Contact Plate	**T** - Tape	**D** - Dust
A1S - Andersen	**ST** - Spore Trap: Zefon, Allergenco, Burkard...	**SW** - Swab	**W** - Water
SAS - Surface Air Sampler		**B** - Bulk	**SO** - Soil
O - Other:			

RELINQUISHED BY	DATE & TIME
[signature]	6/25/11

RECEIVED BY	DATE & TIME
[signature]	6/25/11 1305

By submitting this Chain of Custody, you agree to be bound by the terms and conditions set forth at www.emlabpk.com/terms.html
Copyright © 2002-2008 EMLab P&K

6/25/11 F2 Stairs 3

EMLab P&K

Report for:

Mr. Chris Corpuz, Mr. Ted Ice, Mr. Ashley McKinley, Ms. Andrea Steinbach
LaCroix Davis, LLC
3685 Mt. Diablo Blvd.
Suite 210
Lafayette, CA 94549

Regarding: Project: DGS-BOE; Floor 1 Cafe Floor 2 Stair 3
EML ID: 803374

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:
Spore trap analysis: 07-09-2011

Service SOPs: Spore trap analysis (1038)

For clarity, we report the number of significant digits as calculated; but, due to the nature of this type of biological data, the number of significant digits that is used for interpretation should generally be one or two. All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank correction of results is not applied. The results relate only to the items tested.

EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Document Number: 200091 - Revision Number: 5

EMLab P&K
880 Riverside Parkway, West Sacramento, CA 95605
(866) 888-6653 Fax (650) 829-5852 www.emlab.com

Client: LaCroix Davis, LLC
C/O: Mr. Chris Corpuz, Mr. Ted Ice, Mr. Ashley McKinley, Ms. Andrea Steinbach
Re: DGS-BOE; Floor 1 Cafe Floor 2 Stair 3

Date of Sampling: 07-09-2011
Date of Receipt: 07-09-2011
Date of Report: 07-09-2011

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	2372-709-F1/2A01: Exterior SW		2372-709-F1/2A02: Floor 1 Cafe E Hall Ambient		2372-709-F1/2A03: Cafe W. Hall Containment	
Comments (see below)	A		A		A	
Lab ID-Version‡:	3558730-1		3558731-1		3558732-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	29	390				
Arthrinium						
Ascospores*						
Basidiospores*	1	53				
Bipolaris/Drechslera group	1	13				
Botrytis						
Chaetomium						
Cladosporium	41	2,200	3	160	1	53
Curvularia						
Epicoccum						
Myrothecium						
Nigrospora						
Penicillium/Aspergillus types†	1	53				
Pithomyces						
Rusts*	6	80				
Smuts*, Periconia, Myxomycetes*	17	230				
Stachybotrys						
Stemphylium						
Torula	5	67				
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	2+		1+		2+	
Hyphal fragments/m3	290		40		13	
Pollen/m3	150		< 13		13	
Skin cells (1-4+)	1+		1+		1+	
Sample volume (liters)	75		75		75	
§ TOTAL SPORES/m3		3,100		160		53

Comments: A) Analysis of replicate sample is delayed. Secondary data review is delayed.

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample.
* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
††Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher then reported. It is important to account for samples volumes when evaluating dust levels.
The Limit of Detection is the product of a raw count of 1 and 100 divided by the percent read. The analytical sensitivity (counts/m3) is the product of the Limit of Detection and 1000 divided by the sample volume.
For more information regarding analytical sensitivity, please contact QA by calling the laboratory.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".
§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

EMLab P&K
880 Riverside Parkway, West Sacramento, CA 95605
(866) 888-6653 Fax (650) 829-5852 www.emlab.com

Client: LaCroix Davis, LLC
C/O: Mr. Chris Corpuz, Mr. Ted Ice, Mr. Ashley McKinley, Ms. Andrea Steinbach
Re: DGS-BOE; Floor 1 Cafe Floor 2 Stair 3

Date of Sampling: 07-09-2011
Date of Receipt: 07-09-2011
Date of Report: 07-09-2011

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	2372-709-F1/2A04: Floor 2 Stair 3 Containment		2372-709-F1/2A05: Floor 2 Stair 3 Containment		2372-709-F1/2A06: Exterior NE	
Comments (see below)	A		A		A	
Lab ID-Version‡:	3558733-1		3558734-1		3558735-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria					23	310
Arthrinium						
Ascospores*					3	160
Basidiospores*			1	13	9	480
Bipolaris/Drechslera group						
Botrytis						
Chaetomium						
Cladosporium	1	53			66	3,500
Curvularia						
Epicoccum						
Myrothecium						
Nigrospora						
Penicillium/Aspergillus types†					3	160
Pithomyces						
Rusts*					5	67
Smuts*, Periconia, Myxomycetes*					206	2,700
Stachybotrys						
Stemphylium						
Torula					1	13
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	3+		3+		3+	
Hyphal fragments/m3	13		< 13		210	
Pollen/m3	< 13		< 13		67	
Skin cells (1-4+)	2+		2+		< 1+	
Sample volume (liters)	75		75		75	
§ TOTAL SPORES/m3		53		13		7,500

Comments: A) Analysis of replicate sample is delayed. Secondary data review is delayed.

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample.
* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
††Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher then reported. It is important to account for samples volumes when evaluating dust levels.
The Limit of Detection is the product of a raw count of 1 and 100 divided by the percent read. The analytical sensitivity (counts/m3) is the product of the Limit of Detection and 1000 divided by the sample volume.
For more information regarding analytical sensitivity, please contact QA by calling the laboratory.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".
§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

EMLab P&K
880 Riverside Parkway, West Sacramento, CA 95605
(866) 888-6653 Fax (650) 829-5852 www.emlab.com

Client: LaCroix Davis, LLC
C/O: Mr. Chris Corpuz, Mr. Ted Ice, Mr. Ashley McKinley, Ms. Andrea Steinbach
Re: DGS-BOE; Floor 1 Cafe Floor 2 Stair 3

Date of Sampling: 07-09-2011
Date of Receipt: 07-09-2011
Date of Report: 07-09-2011

MoldRANGE™: Extended Outdoor Comparison

Outdoor Location: 2372-709-F1/2A01, Exterior SW

Fungi Identified	Outdoor data	Typical Outdoor Data by Date† Month: July				Typical Outdoor Data by Location‡ State: CA			
	spores/m3	low	med	high	freq %	low	med	high	freq %
Generally able to grow indoors*									
Alternaria	390	7	40	520	65	7	27	210	51
Bipolaris/Drechslera group	13	7	13	290	22	7	13	130	12
Chaetomium	-	7	13	120	14	7	13	120	20
Cladosporium	2,200	47	760	10,000	97	53	590	7,800	96
Curvularia	-	7	27	800	23	7	13	230	7
Nigrospora	-	7	13	200	16	7	13	200	9
Penicillium/Aspergillus types	53	27	210	2,700	78	33	210	2,500	83
Stachybotrys	-	7	13	300	3	7	13	210	4
Torula	67	7	13	160	14	7	13	160	11
Seldom found growing indoors**									
Ascospores	-	13	270	7,000	84	13	110	2,100	69
Basidiospores	53	13	530	27,000	94	13	210	8,700	92
Rusts	80	7	13	260	23	7	13	270	24
Smuts, Periconia, Myxomycetes	230	7	53	1,900	78	7	40	560	66
§ TOTAL SPORES/m3	3,100								

† The Typical Outdoor Data by Date represents the typical outdoor spore levels across North America for the month indicated. The last column represents the frequency of occurrence. The low, medium, and high values represent the 2.5, 50, and 97.5 percentile values of the spore type when it is detected. For example, if the frequency of occurrence is 63% and the low value is 53, it would mean that the given spore type is detected 63% of the time and, when detected, 2.5% of the time it is present in levels above the detection limit and below 53 spores/m3. These values are updated periodically, and if enough data is not available to make a statistically meaningful assessment, it is indicated with a dash.

‡ The Typical Outdoor Data by Location represents the typical outdoor spore levels for the region indicated for the entire year. As with the Typical Outdoor Data by Date, the four columns represent the frequency of occurrence and the typical low, medium, and high concentration values for the spore type indicated. These values are updated periodically, and if enough data is not available to make a statistically meaningful assessment, it is indicated with a dash.

§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

*The spores in this category are generally capable of growing on wet building materials in addition to growing outdoors. Building related growth is dependent upon the fungal type, moisture level, type of material, and other factors. *Cladosporium* is one of the predominant spore types worldwide and is frequently present in high numbers. *Penicillium/Aspergillus* species colonize both outdoor and indoor wet surfaces rapidly and are very easily dispersed. Other genera are usually present in lesser numbers.

**These fungi are generally not found growing on wet building materials. For example, the rusts and smuts are obligate plant pathogens. However, in each group there are notable exceptions. For example, agents of wood decay are members of the basidiomycetes and high counts of a single morphological type of basidiospore on an inside sample should be considered significant.

Interpretation of the data contained in this report is left to the client or the persons who conducted the field work. This report is provided for informational and comparative purposes only and should not be relied upon for any other purpose. "Typical outdoor data" are based on the results of the analysis of samples delivered to and analyzed by EMLab P&K and assumptions regarding the origins of those samples. Sampling techniques, contaminants infecting samples, unrepresentative samples and other similar or dissimilar factors may affect these results. In addition, EMLab P&K may not have received and tested a representative number of samples for every region or time period. EMLab P&K hereby disclaims any liability for any and all direct, indirect, punitive, incidental, special or consequential damages arising out of the use or interpretation of the data contained in, or any actions taken or omitted in reliance upon, this report.

EMLab P&K
880 Riverside Parkway, West Sacramento, CA 95605
(866) 888-6653 Fax (650) 829-5852 www.emlab.com

Client: LaCroix Davis, LLC
C/O: Mr. Chris Corpuz, Mr. Ted Ice, Mr. Ashley McKinley, Ms. Andrea Steinbach
Re: DGS-BOE; Floor 1 Cafe Floor 2 Stair 3

Date of Sampling: 07-09-2011
Date of Receipt: 07-09-2011
Date of Report: 07-09-2011

MoldRANGE™: Extended Outdoor Comparison

Outdoor Location: 2372-709-F1/2A06, Exterior NE

Fungi Identified	Outdoor data	Typical Outdoor Data by Date† Month: July				Typical Outdoor Data by Location‡ State: CA			
	spores/m3	low	med	high	freq %	low	med	high	freq %
Generally able to grow indoors*									
Alternaria	310	7	40	520	65	7	27	210	51
Bipolaris/Drechslera group	-	7	13	290	22	7	13	130	12
Chaetomium	-	7	13	120	14	7	13	120	20
Cladosporium	3,500	47	760	10,000	97	53	590	7,800	96
Curvularia	-	7	27	800	23	7	13	230	7
Nigrospora	-	7	13	200	16	7	13	200	9
Penicillium/Aspergillus types	160	27	210	2,700	78	33	210	2,500	83
Stachybotrys	-	7	13	300	3	7	13	210	4
Torula	13	7	13	160	14	7	13	160	11
Seldom found growing indoors**									
Ascospores	160	13	270	7,000	84	13	110	2,100	69
Basidiospores	480	13	530	27,000	94	13	210	8,700	92
Rusts	67	7	13	260	23	7	13	270	24
Smuts, Periconia, Myxomycetes	2,700	7	53	1,900	78	7	40	560	66
§ TOTAL SPORES/m3	7,500								

† The Typical Outdoor Data by Date represents the typical outdoor spore levels across North America for the month indicated. The last column represents the frequency of occurrence. The low, medium, and high values represent the 2.5, 50, and 97.5 percentile values of the spore type when it is detected. For example, if the frequency of occurrence is 63% and the low value is 53, it would mean that the given spore type is detected 63% of the time and, when detected, 2.5% of the time it is present in levels above the detection limit and below 53 spores/m3. These values are updated periodically, and if enough data is not available to make a statistically meaningful assessment, it is indicated with a dash.

‡ The Typical Outdoor Data by Location represents the typical outdoor spore levels for the region indicated for the entire year. As with the Typical Outdoor Data by Date, the four columns represent the frequency of occurrence and the typical low, medium, and high concentration values for the spore type indicated. These values are updated periodically, and if enough data is not available to make a statistically meaningful assessment, it is indicated with a dash.

§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

*The spores in this category are generally capable of growing on wet building materials in addition to growing outdoors. Building related growth is dependent upon the fungal type, moisture level, type of material, and other factors. *Cladosporium* is one of the predominant spore types worldwide and is frequently present in high numbers. *Penicillium/Aspergillus* species colonize both outdoor and indoor wet surfaces rapidly and are very easily dispersed. Other genera are usually present in lesser numbers.

**These fungi are generally not found growing on wet building materials. For example, the rusts and smuts are obligate plant pathogens. However, in each group there are notable exceptions. For example, agents of wood decay are members of the basidiomycetes and high counts of a single morphological type of basidiospore on an inside sample should be considered significant.

Interpretation of the data contained in this report is left to the client or the persons who conducted the field work. This report is provided for informational and comparative purposes only and should not be relied upon for any other purpose. "Typical outdoor data" are based on the results of the analysis of samples delivered to and analyzed by EMLab P&K and assumptions regarding the origins of those samples. Sampling techniques, contaminants infecting samples, unrepresentative samples and other similar or dissimilar factors may affect these results. In addition, EMLab P&K may not have received and tested a representative number of samples for every region or time period. EMLab P&K hereby disclaims any liability for any and all direct, indirect, punitive, incidental, special or consequential damages arising out of the use or interpretation of the data contained in, or any actions taken or omitted in reliance upon, this report.

CHAIN OF CUSTODY EMLab P&K

www.EMLabPK.com

Cherry Hill, NJ: 1936 Olney Avenue, Cherry Hill, NJ 08003 * (866) 871-1984
Phoenix, AZ: 1501 West Knudsen Drive, Phoenix, AZ 85027 * (800) 651-4802
San Bruno, CA: 1150 Bayhill Drive, #100, San Bruno, CA 94066 * (866) 888-6653

WEATHER	Fog	Rain	Snow	Wind	Clear
None					
Light				X	
Moderate					
Heavy					

000803374

CONTACT INFORMATION

Company: LaCroix Davis LLC
Address: 3685 Mt. Diablo Blvd. Ste 210 Lafayette, CA 94549
Contact: C. Copuz; Tice; A. Steinberg; McKinley
Special Instructions: email contacts
Phone: 925-299-1140

PROJECT INFORMATION

Project ID: DGS-BDE
Project Desc.: Floor 1 Cafe Floor 2 Stair 3
Project Zip Code:
Sampling Date & Time: 7/9/11
PO Number: 2372.02-572

TURNAROUND TIME CODES (TAT)

STD - Standard (DEFAULT)
ND - Next Business Day
SD - Same Business Day Rush
WH - Weekend/Holiday

Rush requests received after 4pm or on weekends will be considered received the next business day. Please allow an additional one day if Acid analysis needed.

Sample ID	Description	Sample Type	TAT (Days)	Volume/Area (Liters/cm²)	Notes (Timeout, Temp, Volume)	Fungi - Spore Trap Analysis	Spore Trap Analysis - Other particles	Direct Microscopic Exam (Qualitative)	Quantitative Spore Count Direct Exam	1-Media Surface Fungi (Genus ID + Asp. spp.)	2-Media Surface Fungi (Genus ID + Asp. spp.)	3-Media Surface Fungi (Genus ID + Asp. spp.)	Culturable Air Fungi (Genus ID + Asp. spp.)	Gram Stain and Counts (Culturable Air and Surface Bacteria)	*Legionella* culture	Total Coliform, *E.coli* (Presence/Absence)	Membrane Filtration (Please specify organism)	MPN Bacteria (Please specify organism)	QuantiTray - Sewage Screen	Asbestos Analysis - PCM Airborne Fiber Count (NIOSH 7400)	Asbestos Analysis - PLM (EPA method 600/R-93-116)	PCR (please specify test)
2372-709.F1/2A01	Exterior SW	ST	WH	75	10:13	X																
2372-709.F1/2A02	Floor 1 Cafe E Hall ambient	ST	WH	75	10:22	X																
2372-709.F1/2A03	Cafe E Hall Containment	ST	WH	75	10:32	X																
2372-709.F1/2A04	Floor 2 Stair 3 Ambient	ST	WH	75	10:49	X																
2372-709.F1/2A05	Floor 2 Stair 3 Containment	ST	WH	75	10:57	X																
2372-709.F1/2A06	Exterior NE	ST	WH	75	11:12	X																

SAMPLE TYPE CODES

BC - BioCassette™	ST - Spore Trap: Zefon, Allergenco, Burkard...	T - Tape	D - Dust
A1S - Andersen		SW - Swab	SO - Soil
SAS - Surface Air Sampler	P - Potable Water	B - Bulk	
CP - Contact Plate	NP - Non-Potable Water	O - Other:	

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
Theom Ha	7/9/11 11:35	[illegible]	7/9/11 1135

By submitting this Chain of Custody, you agree to be bound by the terms and conditions set forth at http://www.emlab.com/s/main/serviceterms.html

Copyright © 2002-2009 EMLab P&K

7/9/11 Floor 1 Cafe Floor 2 Stairs 3 AIR

EMLab P&K

Report for:

Mr. Chris Corpuz, Mr. Ted Ice, Ms. Andrea Steinbach
LaCroix Davis, LLC
3685 Mt. Diablo Blvd.
Suite 210
Lafayette, CA 94549

Regarding: Project: DGS-BOE; Floor 2
EML ID: 851677

Approved by:

Lab Manager
Malcolm Moody

REVISED REPORT

Dates of Analysis:
Spore trap analysis: 11-04-2011

Service SOPs: Spore trap analysis (1038)

For clarity, we report the number of significant digits as calculated; but, due to the nature of this type of biological data, the number of significant digits that is used for interpretation should generally be one or two. All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank correction of results is not applied. The results relate only to the items tested.

EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Document Number: 200091 - Revision Number: 5

EMLab P&K
880 Riverside Parkway, West Sacramento, CA 95605
(866) 888-6653 Fax (650) 829-5852 www.emlab.com

Client: LaCroix Davis, LLC
C/O: Mr. Chris Corpuz, Mr. Ted Ice, Ms. Andrea Steinbach
Re: DGS-BOE; Floor 2

Date of Sampling: 11-04-2011
Date of Receipt: 11-04-2011
Date of Report: 11-04-2011

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	2372-1104-F2A01: Exterior South		2372-1104-F2A02: Floor 2 Ambient		2372-1104-F2A03: Room 2B		2372-1104-F2A04: Janitor	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	3779239-2		3779240-2		3779241-2		3779242-2	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria			2	27				
Arthrinium	1	13						
Ascospores*	4	210						
Aureobasidium								
Basidiospores*	3	160	2	110				
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium	3	160	1	53				
Curvularia								
Epicoccum			1	13				
Myrothecium								
Nigrospora			2	27				
Other colorless								
Penicillium/Aspergillus types†	1	53						
Rusts*			1	13				
Smuts*, Periconia, Myxomycetes*	2	27	2	27				
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	1+		3+		2+		1+	
Hyphal fragments/m3	13		53		< 13		13	
Pollen/m3	< 13		< 13		< 13		< 13	
Skin cells (1-4+)	< 1+		1+		1+		< 1+	
Sample volume (liters)	75		75		75		75	
§ TOTAL SPORES/m3		630		270		< 13		< 13

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample.
* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
††Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher then reported. It is important to account for samples volumes when evaluating dust levels.
The Limit of Detection is the product of a raw count of 1 and 100 divided by the percent read. The analytical sensitivity (counts/m3) is the product of the Limit of Detection and 1000 divided by the sample volume.
For more information regarding analytical sensitivity, please contact QA by calling the laboratory.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".
§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

EMLab P&K
880 Riverside Parkway, West Sacramento, CA 95605
(866) 888-6653 Fax (650) 829-5852 www.emlab.com

Client: LaCroix Davis, LLC
C/O: Mr. Chris Corpuz, Mr. Ted Ice, Ms. Andrea Steinbach
Re: DGS-BOE; Floor 2

Date of Sampling: 11-04-2011
Date of Receipt: 11-04-2011
Date of Report: 11-04-2011

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	2372-1104-F2A05: 214		2372-1104-F2A06: SW Pop Up		2372-1104-F2A09: Exterior North	
Comments (see below)	None		None		None	
Lab ID-Version‡:	3779243-2		3779244-2		3779247-2	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria						
Arthrinium						
Ascospores*					3	160
Aureobasidium						
Basidiospores*					5	270
Bipolaris/Drechslera group						
Botrytis						
Chaetomium						
Cladosporium					8	430
Curvularia						
Epicoccum						
Myrothecium						
Nigrospora						
Other colorless						
Penicillium/Aspergillus types†						
Rusts*						
Smuts*, Periconia, Myxomycetes*					1	13
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	2+		3+		1+	
Hyphal fragments/m3	< 13		< 13		< 13	
Pollen/m3	< 13		< 13		< 13	
Skin cells (1-4+)	1+		1+		< 1+	
Sample volume (liters)	75		75		75	
§ TOTAL SPORES/m3		< 13		< 13		870

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample.
* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
††Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher then reported. It is important to account for samples volumes when evaluating dust levels.
The Limit of Detection is the product of a raw count of 1 and 100 divided by the percent read. The analytical sensitivity (counts/m3) is the product of the Limit of Detection and 1000 divided by the sample volume.
For more information regarding analytical sensitivity, please contact QA by calling the laboratory.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".
§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

EMLab P&K
880 Riverside Parkway, West Sacramento, CA 95605
(866) 888-6653 Fax (650) 829-5852 www.emlab.com

Client: LaCroix Davis, LLC
C/O: Mr. Chris Corpuz, Mr. Ted Ice, Ms. Andrea Steinbach
Re: DGS-BOE; Floor 2

Date of Sampling: 11-04-2011
Date of Receipt: 11-04-2011
Date of Report: 11-04-2011

MoldRANGE™: Extended Outdoor Comparison

Outdoor Location: 2372-1104-F2A01, Exterior South

Fungi Identified	Outdoor data	Typical Outdoor Data for † November in California (n‡=12224)						Typical Outdoor Data for † The entire year in California (n‡=158505)					
	spores/m3	very low	low	med	high	very high	freq %	very low	low	med	high	very high	freq %
Generally able to grow indoors*													
Alternaria	-	13	13	27	67	120	59	13	13	27	67	100	56
Arthrinium	13	-	-	-	-	-	< 1	7	13	13	39	53	< 1
Bipolaris/Drechslera group	-	8	13	13	27	40	15	7	13	13	27	40	13
Chaetomium	-	11	13	13	27	53	19	8	13	13	27	44	19
Cladosporium	160	210	370	1,100	3,300	5,900	98	110	210	640	1,700	2,800	97
Curvularia	-	7	13	13	27	41	9	7	13	13	27	53	6
Nigrospora	-	8	13	13	27	53	13	7	13	13	27	53	8
Penicillium/Aspergillus types	53	53	110	320	910	1,600	90	53	110	210	600	1,000	86
Stachybotrys	-	13	13	13	40	67	5	7	13	13	33	67	5
Torula	-	10	13	13	40	67	10	8	13	13	40	67	12
Seldom found growing indoors**													
Ascospores	210	13	53	120	480	990	72	22	53	110	330	670	72
Basidiospores	160	53	110	430	2,400	6,100	96	53	80	270	1,000	2,400	94
Rusts	-	13	13	13	47	89	28	13	13	13	50	80	27
Smuts, Periconia, Myxomycetes	27	13	13	40	110	170	72	13	13	40	110	190	69
§ TOTAL SPORES/m3	630												

†The 'Typical Outdoor Data' represents the typical outdoor spore levels for the location and time frame indicated. The last column represents the frequency of occurrence. The very low, low, med, high, and very high values represent the 10, 20, 50, 80, and 90 percentile values of the spore type when it is detected. For example, if the frequency of occurrence is 63% and the low value is 53, it would mean that the given spore type is detected 63% of the time and, when detected, 20% of the time it is present in levels above the detection limit and below 53 spores/m3. These values are updated periodically, and if enough data is not available to make a statistically meaningful assessment, it is indicated with a dash.

§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

*The spores in this category are generally capable of growing on wet building materials in addition to growing outdoors. Building related growth is dependent upon the fungal type, moisture level, type of material, and other factors. *Cladosporium* is one of the predominant spore types worldwide and is frequently present in high numbers. *Penicillium/Aspergillus* species colonize both outdoor and indoor wet surfaces rapidly and are very easily dispersed. Other genera are usually present in lesser numbers.

**These fungi are generally not found growing on wet building materials. For example, the rusts and smuts are obligate plant pathogens. However, in each group there are notable exceptions. For example, agents of wood decay are members of the basidiomycetes and high counts of a single morphological type of basidiospore on an inside sample should be considered significant.

‡n = number of samples used to calculate data.

Interpretation of the data contained in this report is left to the client or the persons who conducted the field work. This report is provided for informational and comparative purposes only and should not be relied upon for any other purpose. "Typical outdoor data" are based on the results of the analysis of samples delivered to and analyzed by EMLab P&K and assumptions regarding the origins of those samples. Sampling techniques, contaminants infecting samples, unrepresentative samples and other similar or dissimilar factors may affect these results. In addition, EMLab P&K may not have received and tested a representative number of samples for every region or time period. EMLab P&K hereby disclaims any liability for any and all direct, indirect, punitive, incidental, special or consequential damages arising out of the use or interpretation of the data contained in, or any actions taken or omitted in reliance upon, this report.

EMLab P&K
880 Riverside Parkway, West Sacramento, CA 95605
(866) 888-6653 Fax (650) 829-5852 www.emlab.com

Client: LaCroix Davis, LLC
C/O: Mr. Chris Corpuz, Mr. Ted Ice, Ms. Andrea Steinbach
Re: DGS-BOE; Floor 2

Date of Sampling: 11-04-2011
Date of Receipt: 11-04-2011
Date of Report: 11-04-2011

MoldRANGE™: Extended Outdoor Comparison

Outdoor Location: 2372-1104-F2A09, Exterior North

Fungi Identified	Outdoor data	Typical Outdoor Data for † November in California (n‡=12224)						Typical Outdoor Data for † The entire year in California (n‡=158505)					
	spores/m3	very low	low	med	high	very high	freq %	very low	low	med	high	very high	freq %
Generally able to grow indoors*													
Alternaria	-	13	13	27	67	120	59	13	13	27	67	100	56
Arthrinium	-	-	-	-	-	-	< 1	7	13	13	39	53	< 1
Bipolaris/Drechslera group	-	8	13	13	27	40	15	7	13	13	27	40	13
Chaetomium	-	11	13	13	27	53	19	8	13	13	27	44	19
Cladosporium	430	210	370	1,100	3,300	5,900	98	110	210	640	1,700	2,800	97
Curvularia	-	7	13	13	27	41	9	7	13	13	27	53	6
Nigrospora	-	8	13	13	27	53	13	7	13	13	27	53	8
Penicillium/Aspergillus types	-	53	110	320	910	1,600	90	53	110	210	600	1,000	86
Stachybotrys	-	13	13	13	40	67	5	7	13	13	33	67	5
Torula	-	10	13	13	40	67	10	8	13	13	40	67	12
Seldom found growing indoors**													
Ascospores	160	13	53	120	480	990	72	22	53	110	330	670	72
Basidiospores	270	53	110	430	2,400	6,100	96	53	80	270	1,000	2,400	94
Rusts	-	13	13	13	47	89	28	13	13	13	50	80	27
Smuts, Periconia, Myxomycetes	13	13	13	40	110	170	72	13	13	40	110	190	69
§ TOTAL SPORES/m3	870												

†The 'Typical Outdoor Data' represents the typical outdoor spore levels for the location and time frame indicated. The last column represents the frequency of occurrence. The very low, low, med, high, and very high values represent the 10, 20, 50, 80, and 90 percentile values of the spore type when it is detected. For example, if the frequency of occurrence is 63% and the low value is 53, it would mean that the given spore type is detected 63% of the time and, when detected, 20% of the time it is present in levels above the detection limit and below 53 spores/m3. These values are updated periodically, and if enough data is not available to make a statistically meaningful assessment, it is indicated with a dash.

§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

*The spores in this category are generally capable of growing on wet building materials in addition to growing outdoors. Building related growth is dependent upon the fungal type, moisture level, type of material, and other factors. *Cladosporium* is one of the predominant spore types worldwide and is frequently present in high numbers. *Penicillium/Aspergillus* species colonize both outdoor and indoor wet surfaces rapidly and are very easily dispersed. Other genera are usually present in lesser numbers.

**These fungi are generally not found growing on wet building materials. For example, the rusts and smuts are obligate plant pathogens. However, in each group there are notable exceptions. For example, agents of wood decay are members of the basidiomycetes and high counts of a single morphological type of basidiospore on an inside sample should be considered significant.

‡n = number of samples used to calculate data.

Interpretation of the data contained in this report is left to the client or the persons who conducted the field work. This report is provided for informational and comparative purposes only and should not be relied upon for any other purpose. "Typical outdoor data" are based on the results of the analysis of samples delivered to and analyzed by EMLab P&K and assumptions regarding the origins of those samples. Sampling techniques, contaminants infecting samples, unrepresentative samples and other similar or dissimilar factors may affect these results. In addition, EMLab P&K may not have received and tested a representative number of samples for every region or time period. EMLab P&K hereby disclaims any liability for any and all direct, indirect, punitive, incidental, special or consequential damages arising out of the use or interpretation of the data contained in, or any actions taken or omitted in reliance upon, this report.

CHAIN OF CUSTODY

EMLab P&K

www.EMLabPK.com

Cherry Hill, NJ: 1936 Olney Avenue, Cherry Hill, NJ 08003 * (866) 871-1984
Phoenix, AZ: 1501 West Knudsen Drive, Phoenix, AZ 85027 * (800) 651-4802
San Bruno, CA: 1150 Bayhill Drive, #100, San Bruno, CA 94066 * (866) 888-6653

WEATHER	Fog	Rain	Snow	Wind	Clear
None					
Light					
Moderate					
Heavy					

000851677

CONTACT INFORMATION

Company: LaCroix Davis, LLC
Contact: C. Conway; T. Lee; A. Steinbach
Phone: 925-299-1110
Address: 3685 Mt. Diablo Blvd Ste 210
Special Instructions: Lafayette, CA 94549

PROJECT INFORMATION

Project ID: DGS-BOE
Project Desc.: Floor 2
Project Zip Code:
Sampling Date & Time: 11/04/11
PO Number: 2312.02-572

TURN AROUND TIME CODES - (TAT)

STD - Standard (DEFAULT)
ND - Next Business Day
SD - Same Business Day Rush
WH - Weekend/Holiday

Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.

REQUESTED SERVICES

Sample ID	Description	Sample Type (Below)	TAT (above)	Total Volume/Area (as applicable)	NOTES (Time of day, Temp, RH, etc.)	Fungi - Spore Trap Analysis	Spore Trap Analysis - Other particles	Direct Microscopic Exam (Qualitative)	Quantitative Spore Count Direct Exam	1-Media Surface Fungi (Genus ID + Asp. spp.)	2-Media Surface Fungi (Genus ID + Asp. spp.)	3-Media Surface Fungi (Genus ID + Asp. spp.)	Culturable Air Fungi (Genus ID + Asp. spp.)	Gram Stain and Counts (Culturable Air and Surface Bacteria)	Legionella culture	Total Coliform, E.coli (Presence/Absence)	Membrane Filtration (Please specify organism)	MPN Bacteria (Please specify organism)	QuantiTray - Sewage Screen	Asbestos Analysis - PCM Airborne Fiber Count (NIOSH 7400)	Asbestos Analysis - PLM (EPA method 600/R-93-116)	PCR (please specify test)
2312.1104.F2A01	Exterior South	ST	WH	75	00:55	X																
2312.1104.F2A02	Floor 2 Ambient	ST	WH	75	00:05	X																
2312.1104.F2A03	Room 2B	ST	WH	75	00:17	X																
2312.1104.F2A04	Janitor	ST	WH	75	00:30	X																
2312.1104.F2A05	214	ST	WH	75	00:50	X																
2312.1104.F2A06	SW Pop up	ST	WH	75	01:02	X																
2312.1104.F2A07	2B #2	ST	WH	75	01:15	X																
2312.1104.F2A08	214 #2	ST	WH	75	01:30	X																
2312.1104.F2A09	Exterior North	ST	WH	75	01:49	X																

SAMPLE TYPE CODES

BC - BioCassette™	ST - Spore Trap: Zefon, Allergenco, Burkard...	T - Tape	D - Dust
AIS - Andersen		SW - Swab	SO - Soil
SAS - Surface Air Sampler	P - Potable Water	B - Bulk	
CP - Contact Plate	NP - Non-Potable Water	O - Other	

RELINQUISHED BY	DATE & TIME	RECEIVED BY	DATE & TIME
[illegible]	11/04/11	[illegible]	11/4/11 1420

By submitting this Chain of Custody, you agree to be bound by the terms and conditions set forth at http://www.emlab.com/s/main/serviceterms.html
Copyright © 2002-2009 EMLab P&K

11/4/11 Floor 2 Janitor Room, Rooms 2B, 214 AIR